

ECS Configuration Change Request

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1. Originator Henry Baez	2. Log Date: 11/17/00	3. CCR #: 00-1095	4. Rev: -	5. Tel: 301-925-1025	6. Rm #: 2101D	7. Dept. SED
8. CCR Title: Baseline Engineering Technical Directive for Solaris, SGI, and HP systems, standard inetd configuration file to provide additional security.						
9. Originator Signature/Date <i>Henry Baez</i> 11/14/2000		10. Class II	11. Type: CCR	12. Need Date: 11/20/00		
13. Office Manager Signature/Date <i>Dan R. Muth</i> 11/14/00		14. Category of Change: Initial ECS Baseline Doc.		15. Priority: (If "Emergency" fill in Block 28). Routine		
16. Documentation/Drawings Impacted: None		17. Schedule Impact:		18. CI(s) Affected: All		
19. Release Affected by this Change: 5B		20. Date due to Customer:		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input checked="" type="checkbox"/> Other: Attached ETD, Subject: Disable unused and vulnerable services in INETD.CONF file.						
23. Problem: (use additional Sheets if necessary) A basic canon of security is to turn off all services or features that are not absolutely needed. Operating Systems (OS) are shipped and installed with many services and features on or active by default straight out of box. Some of these services have security holes that are exploited by unscrupulous people. The inetd.conf file is used to start many of these services. There is no standard configuration for the inetd.conf files now on any of the supported platforms. Services are running on these platforms that should be turned off.						
24. Proposed Solution: (use additional sheets if necessary) Turn off all services that are not needed or used by ECS custom code or COTS software. What services are needed or required have been extensively tested in the IDG Test Cell, Functionality Lab and VATC. All conflicts found were corrected. This will provide a standard inetd.conf configuration file for each of the supported platforms. On each of the OS disable the services in the /etc/inetd.conf file as per the Engineering Technical Directive.						
25. Alternate Solution: (use additional sheets if necessary) Installation of the inetd.conf file is only one step in strengthening security. Each host's security is made stronger with a small amount of work done on each host. Another method is to strengthen the outside of the network with a firewall that would offer protection to all the platforms.						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) Risk that someone will use a service that is not required by ECS custom code or COTS software to damage or destroy ECS data and systems. ECS program is receiving more and more data to ingest and produce products. This will bring more visibility to the program. Higher visibility attracts more unscrupulous people. ECS program in turn is more vulnerable to exploits.						
27. Justification for Emergency (If Block 15 is "Emergency"):						
28. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSDC <input checked="" type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date): <i>Bryan V. Peters</i> 11/22/00		Disposition: <u>Approved</u> App/Com. Disapproved Withdraw Fwd/ESDIS ERB				
33. M&O CCB Chair (Sign/Date): <i>W. B. ...</i> 5 Dec 00		Disposition: <u>Approved</u> App/Com. Disapproved Withdraw Fwd/ESDIS Fwd/ECS				
34. ECS CCB Chair (Sign/Date):		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB				

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